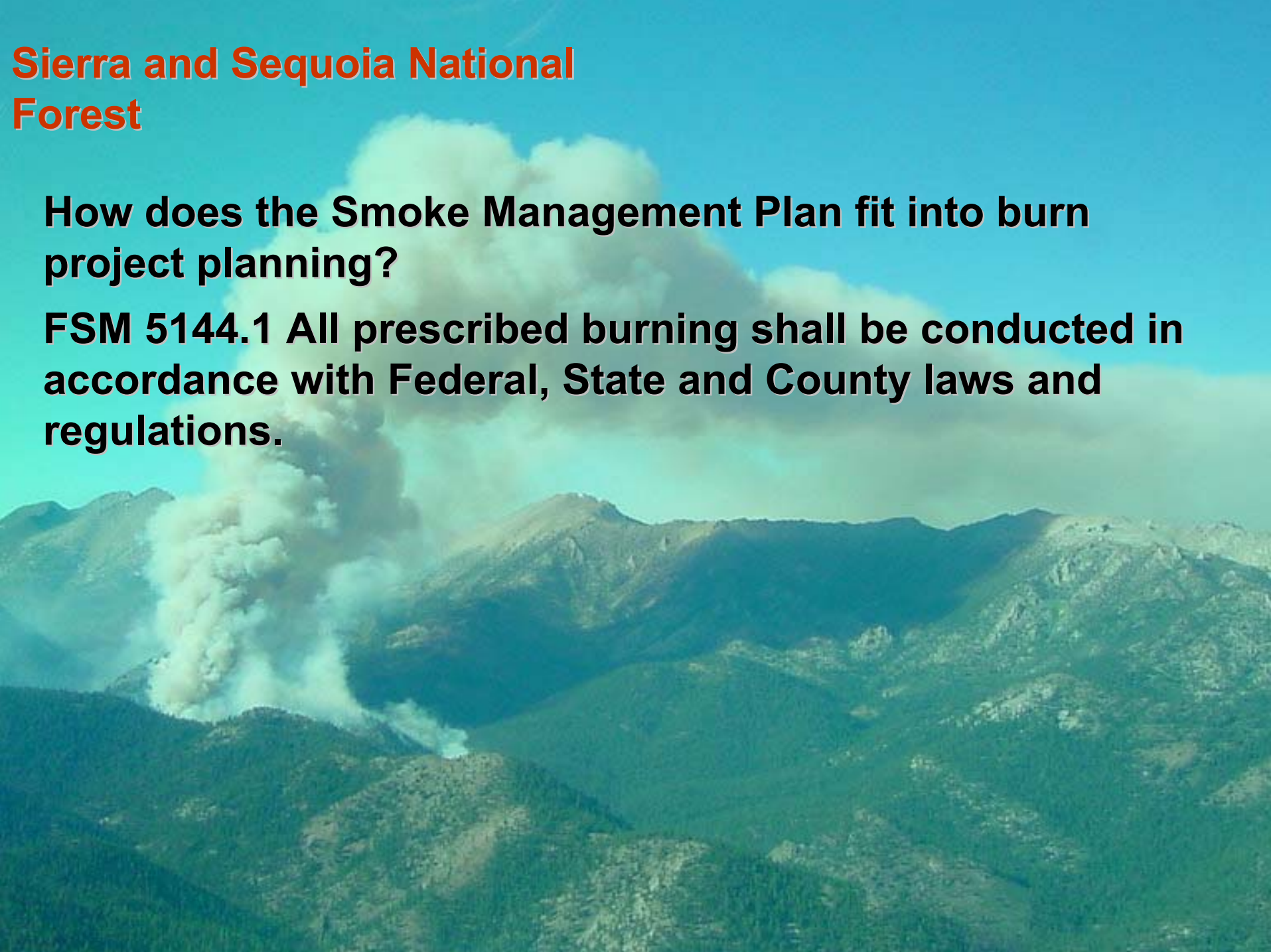


# **Sierra and Sequoia National Forest**

**How does the Smoke Management Plan fit into burn project planning?**

**FSM 5144.1 All prescribed burning shall be conducted in accordance with Federal, State and County laws and regulations.**



# **Sierra and Sequoia National Forest**

**How does the Smoke Management Plan fit into burn project planning?**

**FSM 5144.3 The smoke management portion of the burn plan should be site specific for each burn, including pile burns in smoke-sensitive areas (SSAs), and must address at a minimum the following elements:**

- 1. Monitoring requirements**
- 2. Contingency planning and mitigation measures for unacceptable smoke impacts.**
- 3. Notification procedures**



# **Sierra and Sequoia National Forest**

**How does the Smoke Management Plan fit into burn project planning?**

**FSM 5144.3 The smoke management portion of the burn plan should be site specific for each burn, including pile burns in smoke-sensitive areas (SSAs), and must address at a minimum the following elements:**

- 4. Emissions estimates**
- 5. Description of smoke-sensitive areas and procedures to avoid impacting them.**
- 6. Desired wind speed and direction of transport winds.**
- 7. Complaint handling procedures.**

# **Sierra and Sequoia National Forest**

**How does the Smoke Management Plan fit into burn project planning?**

**FSM 5144.3 The smoke management portion of the burn plan should be site specific for each burn, including pile burns in smoke-sensitive areas (SSAs), and must address at a minimum the following elements:**

**If you work with a local Air Quality District that requires a Smoke Management Plan, attach it to the burn plan as part of the burn plan. It must at a minimum meet the requirements above.**





# **Sierra and Sequoia National Forest**

**Daily air district/land manager communication  
on overnight and multi-day burns?**

**Phone call**

**On-site visits**

**One o'clock smoke management conference call  
(877)-874-5440 pass code 357238 #**

A photograph of a forest scene. In the foreground, a large, textured tree trunk is visible on the right side. The background shows a stream flowing through a dense forest of tall, thin trees. The water in the stream is clear, reflecting the surrounding greenery. The overall scene is a natural, wooded area.

# **Sierra and Sequoia National Forest**

## **Cross-jurisdictional communication**

### **The APCD boundary issue in the Kern Canyon**

**The Kern Canyon is aligned in a north to south flow**

**The following slides show the APCD boundary and how it transects the Kern River Drainage**

**Consider redrawing APCD district lines in mountainous terrain using ridge tops i.e. Great Western Divide**



# Sequoia National Forest

**San Joaquin  
Valley APCD**

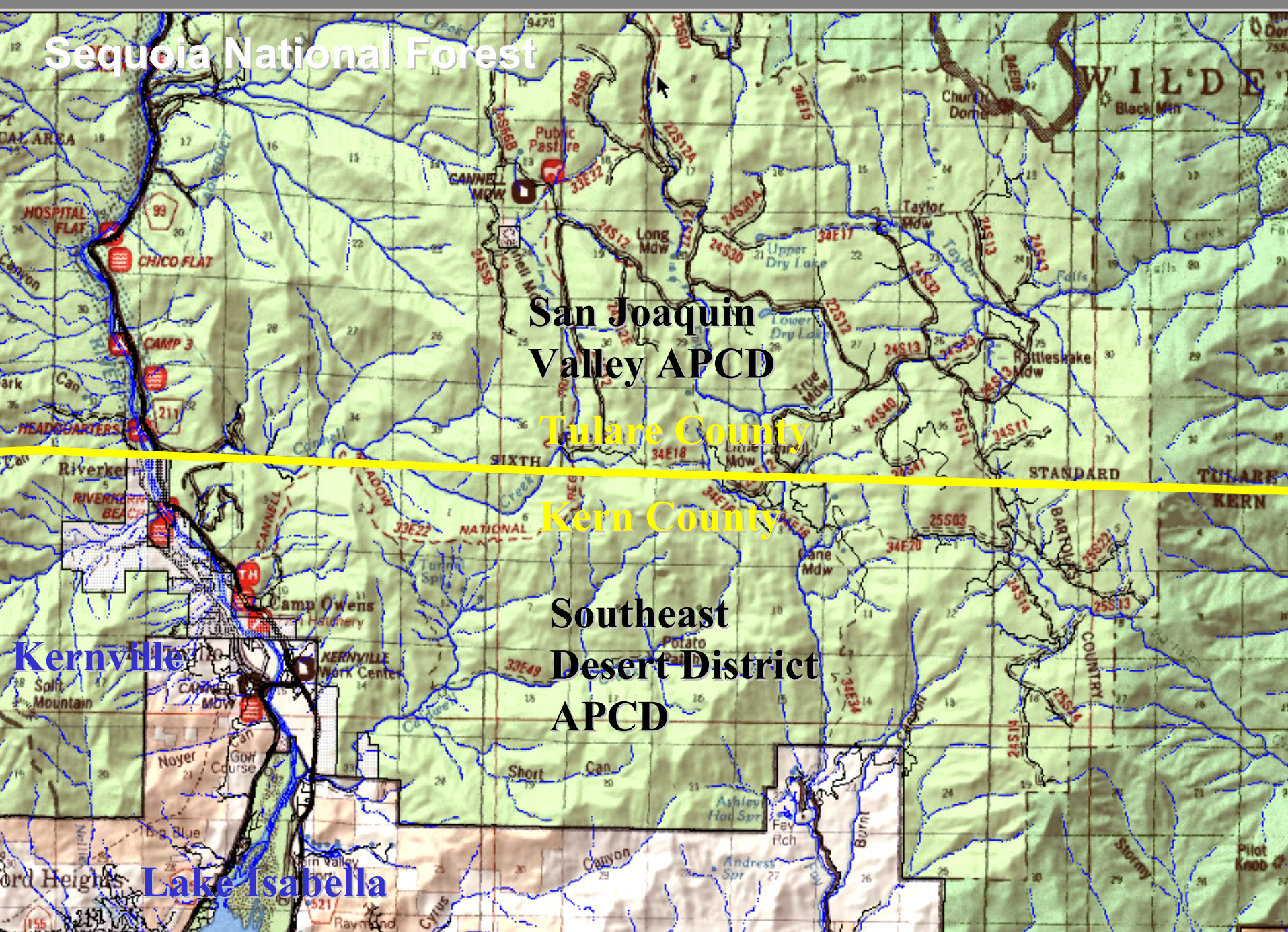
**Tulare County**

**Kern County**

**Southeast  
Desert District  
APCD**

**Kernville**

**Lake Isabella**





# Sequoia National Forest

A topographic map of the Sequoia National Forest area. The map shows rugged mountain terrain with numerous peaks and valleys. A thick yellow line runs horizontally across the middle of the map, separating Tulare County to the north from Kern County to the south. In the upper left corner, the text 'Sequoia National Forest' is written in black. In the center-right, 'San Joaquin Valley APCD' is written in blue. Below that, 'Tulare County' is written in black. In the lower-left, 'Kernville' is written in blue. To the right of Kernville, 'Southeast Desert District APCD' is written in blue. At the bottom left, 'Lake Isabella' is written in blue. The map also shows the irregular boundaries of Kern County and the specific areas of the two APCDs.

**San Joaquin  
Valley APCD**

**Tulare County**

**Kern County**

**Southeast  
Desert District  
APCD**

**Kernville**

**Lake Isabella**



# **Sierra and Sequoia National Forest**

## **Land manager perspectives on burn ignition decisions?**

**Identify what variables will be monitored to determine if objectives are met. Mention the estimated size of the test fire and that a test fire will be conducted on the day of the burn.**

**example:**

**A test fire will be conducted the day of the burn and will be of adequate size,  $\frac{1}{4}$  to  $\frac{1}{2}$  acre or larger in a representative location in the planned fire area. It will be used for the Burn Boss to determine if smoke dispersal and direction are acceptable, if fuel consumption is adequate and if fire behavior is within desired parameters.**



# **Sierra and Sequoia National Forest**

**Land manager perspectives on burn  
ignition decisions?**

## **BURN DAY GO-NO-GO CHECKLIST**

**To be filled out daily by burn boss and filed in  
project folder.**

**A “no” response to any item means stop!!!**

### **BURNING OPERATIONS:**

- 1. Are ALL fire prescription criteria met Y/N?**
- 2. Is the fire weather forecast favorable Y/N?**



# **Sierra and Sequoia National Forest**

## **Land manager perspectives on burn ignition decisions?**

### **BURN DAY GO-NO-GO CHECKLIST**

- 3. Are ALL personnel required in the prescribed fire burn plan on site Y/N?**
- 4. Have ALL personnel been briefed on safety hazards, escape routes and safety zones Y/N ?**
  - Is ALL of the required equipment in place and in working order Y/N?**
  - Have ALL personnel been briefed on the prescribed fire burn plan requirements Y/N?**



# **Sierra and Sequoia National Forest**

## **Land manager perspectives on burn ignition decisions?**

### **BURN DAY GO-NO-GO CHECKLIST**

- **Are sufficient backup resources available for containment of escapes Y/N?**
- **Can the burn be executed according to plan and will it meet management objectives Y/N?**

### **HELICOPTER OPERATIONS:**

- **Have ALL aviation safety requirements been met Y/N?**
- 10. Have aerial hazards been noted Y/N?**



# **Sierra and Sequoia National Forest**

**Land manager perspectives on burn  
ignition decisions?**

## **BURN DAY GO-NO-GO CHECKLIST**

- 11. Have pilots been appraised of unavoidable flight hazards Y/N ?**
- 12. Have pilots been reminded of hazards Y/N?**
  - Have over flights been avoided and personnel placed away from flight paths Y/N?**



# **Sierra and Sequoia National Forest**

**Land manager perspectives on burn  
ignition decisions?**

## **17. BURN DAY GO-NO-GO CHECKLIST**

### **SMOKE MANAGEMENT**

**14. Are ALL smoke management prescription  
specifications met Y/N?**

**IF ALL QUESTIONS ABOVE HAVE BEEN ANSWERED  
“YES” YOU MAY PROCEED WITH IGNITION.**

**CERTIFIED**

**BY: \_\_\_\_\_ DATE: \_\_\_\_\_**



# **Sierra and Sequoia National Forest**

**Public notification?**

**Radio station broadcasts**

**Newspaper articles**

**District and Forest visitor centers**

**Area signing at burn site and necessary major roads  
and Public meetings**



## **Sierra and Sequoia National Forest**

**Burn management decisions after a burn is ignited?**

**FSM 5145.4.2 The Forest must notify the Regional Office within 24 hours after prescribed fires or wildland fire use projects have either been declared unwanted wildfires, or created serious smoke impacts.**

